



Sheet 1 of 1

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|--|-----------------------|----------------------|
| <b>FORM PTO-1449</b><br><b>U.S. DEPARTMENT OF COMMERCE</b><br><b>PATENT AND TRADEMARK OFFICE</b><br><br><b>LIST OF REFERENCES CITED BY APPLICANT</b><br><br><i>(Use several sheets if necessary)</i> | ATTORNEY DOCKET NO.   | APPLICATION NO.      |
|  | 1293.1073C2           | 10/756,422           |
|  | FIRST NAMED INVENTOR  |                      |
|  | Seong-jin MOON et al. |                      |
|  | FILING DATE           | GROUP ART UNIT       |
|  | January 14, 2004      | <del>2615</del> 2621 |

**U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NO. | DATE | NAME | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|----------------------|----|-----------------|------|------|-------|---------------|----------------|
|                      | AA |                 |      |      |       |               |                |
|                      | AB |                 |      |      |       |               |                |
|                      | AC |                 |      |      |       |               |                |
|                      | AD |                 |      |      |       |               |                |
|                      | AE |                 |      |      |       |               |                |
|                      | AF |                 |      |      |       |               |                |

**FOREIGN PATENT DOCUMENTS**

|            |    | DOCUMENT<br>NO. | DATE    | COUNTRY | TRANSLATION<br>YES NO |  | ABSTRACT |
|------------|----|-----------------|---------|---------|-----------------------|--|----------|
| <i>Seo</i> | AG | JP 6-67945      | 03/1994 | Japan   |                       |  | X        |
|            | AH |                 |         |         |                       |  |          |
|            | AI |                 |         |         |                       |  |          |
|            | AJ |                 |         |         |                       |  |          |
|            | AK |                 |         |         |                       |  |          |
|            | AL |                 |         |         |                       |  |          |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

|            |    |  |  | TRANSLATION<br>YES NO |  |
|------------|----|--|--|-----------------------|--|
| <i>Seo</i> | AM | Office Action issued in Japanese Patent Application no. 2002-228014 on September 6, 2005 |  |                       |  |

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| EXAMINER   | DATE CONSIDERED |
| CHRISTOPHER DASU ARU   | 10/3/06         |
| <b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |



Sheet 1 of 1

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

1293.1073C2

APPLICATION NO.

10/756,422

## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

FIRST NAMED INVENTOR

Seong-jin MOON et al.

FILING DATE

January 14, 2004

GROUP/UNIT

2622 2621

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NO. | DATE    | NAME         | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|----------------------|----|-----------------|---------|--------------|-------|---------------|----------------|
| <i>lmo</i>           | AA | 6,009,234       | 12/1999 | Taira et al. |       |               |                |
|                      | AB |                 |         |              |       |               |                |
|                      | AC |                 |         |              |       |               |                |
|                      | AD |                 |         |              |       |               |                |
|                      | AE |                 |         |              |       |               |                |
|                      | AF |                 |         |              |       |               |                |

## FOREIGN PATENT DOCUMENTS

|            |    | DOCUMENT<br>NO. | DATE     | COUNTRY  | TRANSLATION<br>YES NO |  | ABSTRACT |
|------------|----|-----------------|----------|----------|-----------------------|--|----------|
| <i>lmo</i> | AG | EP 0571515      | 1/2/1997 | European |                       |  |          |
|            | AH | JP 63-079287    | 04/1988  | Japan    |                       |  | X        |
|            | AI | JP 09-017127    | 01/1997  | Japan    |                       |  | X        |
| <i>lmo</i> | AJ | JP 10-050034    | 02/1998  | Japan    |                       |  | X        |
|            | AK |                 |          |          |                       |  |          |
|            | AL |                 |          |          |                       |  |          |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

TRANSLATION  
YES NO

|            |    |  |  |  |
|------------|----|--|--|--|
| <i>lmo</i> | AM | Office Action issued in Japanese Patent Application No. 11-179073, on February 7, 2006 |  |  |
|------------|----|--|--|--|

EXAMINER

DATE CONSIDERED

CHRISTOPHER ONYAKU

10/3/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**ATTACHMENT 1(e)**

|   |                       |                      |
|---|-----------------------|----------------------|
| <b>EXPLANATION OF RELEVANCY OF REFERENCES</b> | ATTORNEY DOCKET NO.   | APPLICATION NO.      |
|   | 1293.1073C2           | 10/756,422           |
|   | FIRST NAMED INVENTOR  |                      |
|   | Seong-jin MOON et al. |                      |
|   | FILING DATE           | GROUP PART UNIT      |
|   | January 14, 2004      | <del>2622</del> 2621 |

- leo* • Reference AI (JP 9-17127) is substantially equivalent to Reference AG (EP 0751515).
- leo* • Reference AJ (JP 10-050034) is substantially equivalent to Reference AA (US 6,009,234).

CHRISTOPHER DANAKU

10/3/06



## LIST OF COPENDING APPLICATIONS

ATTACHMENT 1(f)

|                       |                      |
|-----------------------|----------------------|
| ATTORNEY DOCKET NO.   | APPLICATION NO.      |
| 1293.1073C2           | 10/756,422           |
| FIRST NAMED INVENTOR  |                      |
| Seong-jin MOON et al. |                      |
| FILING DATE           | GROUP/ART UNIT       |
| January 14, 2004      | <del>2622</del> 2621 |

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR § 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

### U.S. PATENT APPLICATION DOCUMENTS

| *EXAMINER<br>INITIAL |   | U.S. SERIAL<br>NO. | FILING DATE | NAME                  | ASSIGNEE                      |
|----------------------|---|--------------------|-------------|-----------------------|-------------------------------|
| <i>lmo</i>           | 1 | 11/281,491         | 11/18/2005  | Seong-Jin MOON et al. | Samsung Electronics Co., Ltd. |
|                      | 2 |                    |             |                       |                               |
|                      | 3 |                    |             |                       |                               |
|                      | 4 |                    |             |                       |                               |
|                      | 5 |                    |             |                       |                               |
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| EXAMINER   | DATE CONSIDERED |
| <i>CHRISTOPHER ONYAKA</i>  | <i>10/3/06</i>  |
| *EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |



## ATTACHMENT 1(g)

|   |                       |                 |
|---|-----------------------|-----------------|
| <b>LIST OF ADDITIONAL SUBMITTED DOCUMENTS</b> | ATTORNEY DOCKET NO.   | APPLICATION NO. |
|   | 1293.1073C2           | 10/756,422      |
|   | FIRST NAMED INVENTOR  |                 |
|   | Seong-jin MOON et al. |                 |
|   | FILING DATE           | GROUP ART UNIT  |
|   | January 14, 2004      | 2622-2621       |

The following document(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application.

It is requested that the Examiner acknowledge his consideration of document(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

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## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NO. | DATE       | NAME                  | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|----------------------|----|-----------------|------------|-----------------------|-------|---------------|----------------|
| <i>bas</i>           | AA | 6,778,755 B1    | 08/17/2004 | Seong-Jin MOON et al. |       |               |                |
| <i>bas</i>           | AB | 6,873,785 B2    | 03/29/2005 | Seong-Jin MOON et al. |       |               |                |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NO. | DATE | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NO |  |
|--|----|-----------------|------|---------|-------|---------------|-----------------------|--|
|  | AC |                 |      |         |       |               |                       |  |
|  | AD |                 |      |         |       |               |                       |  |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |    |  |  |  |  | TRANSLATION<br>YES NO |  |
|--|----|--|--|--|--|-----------------------|--|
|  | AE |  |  |  |  |                       |  |

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| EXAMINER<br><i>CHRISTOPHER J. AKIN</i>   | DATE CONSIDERED<br><i>10/3/06</i> |
| *EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                                   |



Sheet 1 of 1

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|--|--|---|-------------------------------|
| FORM PTO-1449  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO.<br>1293.1073C2            | APPLICATION NO.<br>10/756,422 |
| LIST OF REFERENCES CITED BY APPLICANT<br><br>(Use several sheets if necessary) |  | FIRST NAMED INVENTOR<br>Seong-jin MOON et al. |                               |
|  |  | FILING DATE<br>January 14, 2004               | GROUP/ART UNIT<br>2615-2621   |

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NO. | DATE    | NAME           | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|----------------------|----|-----------------|---------|----------------|-------|---------------|----------------|
| <i>lso</i>           | AA | 5,838,967       | 11/1998 | Okayama et al. |       |               |                |
| <i>lso</i>           | AB | 5,659,745       | 08/1997 | Inoue          |       |               |                |
| <i>lso</i>           | AC | 5,902,115       | 05/1999 | Katayama       |       |               |                |
|                      | AD |                 |         |                |       |               |                |
|                      | AE |                 |         |                |       |               |                |
|                      | AF |                 |         |                |       |               |                |

## FOREIGN PATENT DOCUMENTS

|            |    | DOCUMENT<br>NO. | DATE    | COUNTRY | TRANSLATION<br>YES NO |  | ABSTRACT |
|------------|----|-----------------|---------|---------|-----------------------|--|----------|
| <i>lso</i> | AG | 6-76031         | 03/1994 | Japan   |                       |  | X        |
| <i>lso</i> | AH | 4-188484        | 07/1992 | Japan   |                       |  | X        |
| <i>lso</i> | AI | 8-339194        | 12/1996 | Japan   |                       |  | X        |
|            | AJ |                 |         |         |                       |  |          |
|            | AK |                 |         |         |                       |  |          |
|            | AL |                 |         |         |                       |  |          |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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|  | AM |  |                       |  |

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| EXAMINER<br><br><i>CHRISTOPHER QUAKU</i>  | DATE CONSIDERED<br><br><i>10/3/06</i> |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                                       |

**ATTACHMENT 1(e)**

|  |                       |                      |
|--|-----------------------|----------------------|
| <b>EXPLANATIONS OF RELEVANCY<br/>OF REFERENCES</b> | ATTORNEY DOCKET NO.   | APPLICATION NO.      |
|  | 1293.1073C2           | 10/756,422           |
|  | FIRST NAMED INVENTOR  |                      |
|  | Seong-jin MOON et al. |                      |
|  | FILING DATE           | GROUP ART UNIT       |
|  | January 14, 2004      | <del>2615</del> 2621 |

- 1) U.S. Patent No. 5,838,967 corresponds to Japanese Patent Publication 6-76031.
- 2) U.S. Patent No. 5,659,745 corresponds to Japanese Patent Publication 4-188484.
- 3) U.S. Patent No. 5,902,115 corresponds to Japanese Patent Publication 8-339194.

CHRISTOPHER OSAKI

10/3/06



**ATTACHMENT 1(i)**

**LIST OF COPENDING APPLICATIONS**

|   |  |
|---|--|
| ATTORNEY DOCKET NO.<br>1293.1073C2            | APPLICATION NO.<br>10/756,422          |
| FIRST NAMED INVENTOR<br>Seong-jin MOON et al. |  |
| FILING DATE<br>January 14, 2004               | GROUP ART UNIT<br><del>2645</del> 2621 |

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR § 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

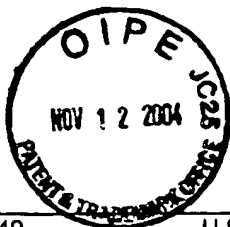
This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

**U.S. PATENT APPLICATION DOCUMENTS**

| *EXAMINER INITIAL |   | U.S. SERIAL NO. | FILING DATE | NAME                   | ASSIGNEE                      |
|-------------------|---|-----------------|-------------|------------------------|-------------------------------|
| <i>See</i>        | 1 | 10/756,421      | 01/14/2004  | Seong-jin MOON, et al. | Samsung Electronics Co., Ltd. |
|                   | 2 | 10/945,946      | 09/22/2004  | Seong-jin MOON, et al. | Samsung Electronics Co., Ltd. |
|                   | 3 | 10/842,690      | 05/11/2004  | Seong-jin MOON, et al. | Samsung Electronics Co., Ltd. |
|                   | 4 | 10/842,440      | 05/11/2004  | Seong-jin MOON, et al. | Samsung Electronics Co., Ltd. |
| <i>See</i>        | 5 | 10/756,423      | 01/14/2004  | Seong-jin MOON, et al. | Samsung Electronics Co., Ltd. |
|                   | 6 |                 |             |                        |                               |
|                   | 7 |                 |             |                        |                               |
|                   | 8 |                 |             |                        |                               |

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| EXAMINER<br><br><i>CHRISTOPHER ONUAKU</i>  | DATE CONSIDERED<br><br><i>10/3/06</i> |
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Sheet 1 of 1

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

1293.1073C2

APPLICATION NO.

10/756,422

## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

FIRST NAMED INVENTOR

Seong-jin MOON et al.

FILING DATE

January 14, 2004

GROUP ART UNIT

2015 3621

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NO. | DATE | NAME | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|----------------------|----|-----------------|------|------|-------|---------------|----------------|
|                      | AA |                 |      |      |       |               |                |
|                      | AB |                 |      |      |       |               |                |
|                      | AC |                 |      |      |       |               |                |
|                      | AD |                 |      |      |       |               |                |
|                      | AE |                 |      |      |       |               |                |
|                      | AF |                 |      |      |       |               |                |

## FOREIGN PATENT DOCUMENTS

|     |    | DOCUMENT<br>NO. | DATE     | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NO |  |
|-----|----|-----------------|----------|---------|-------|---------------|-----------------------|--|
| 600 | AG | 753 854 A2      | 01/15/97 | Europe  |       |               |                       |  |
|     | AH | 753 854 A3      | 01/15/97 | Europe  |       |               |                       |  |
|     | AI | 295 148         | 12/14/88 | Europe  |       |               |                       |  |
|     | AJ | 730 272 A2      | 09/04/96 | Europe  |       |               |                       |  |
|     | AK | 730 272 A3      | 09/04/96 | Europe  |       |               |                       |  |
| 600 | AL | 737 974 A3      | 10/16/96 | Europe  |       |               |                       |  |

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |    |  |
|--|----|--|
|  | AM |  |
|  | AN |  |

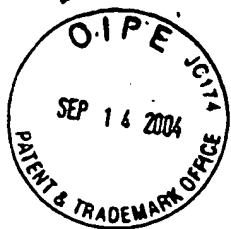
EXAMINER

CHRISTOPHER DUNAKU

DATE CONSIDERED

10/3/06

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Sheet 1 of 1

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

1293.1073C2

APPLICATION NO.

10/756,422

## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

FIRST NAMED INVENTOR

Seong-jin MOON et al.

FILING DATE

January 14, 2004

GROUP ART UNIT

~~2015~~ 2629

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |  | DOCUMENT<br>NO. | DATE | NAME | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|----------------------|--|-----------------|------|------|-------|---------------|----------------|
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## FOREIGN PATENT DOCUMENTS

|     |    | DOCUMENT<br>NO. | DATE     | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NO |  |
|-----|----|-----------------|----------|---------|-------|---------------|-----------------------|--|
| lee | AA | EP737974A2      | 10/16/96 | Europe  |       |               | N/A                   |  |
| lee | AB | CN1177816A      | 4/1/98   | China   |       |               | Abstract              |  |
|     |    |                 |          |         |       |               |                       |  |
|     |    |                 |          |         |       |               |                       |  |
|     |    |                 |          |         |       |               |                       |  |
|     |    |                 |          |         |       |               |                       |  |

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

|     |    |   |
|-----|----|---|
| lee | BA | English Language Chinese Office Action for Chinese Divisional Patent Application No. 01122435.5, dated June 11, 2004 (related to the present application) |
|     |    |   |

EXAMINER

CHRISTOPHER D. WALKER

DATE CONSIDERED

10/3/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

|  |  |                       |                 |
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| FORM PTO-1449  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO.   | APPLICATION NO. |
|  |  | 1293.1073C2           |                 |
|  |  | FIRST NAMED INVENTOR  |                 |
|  |  | Seong-jin MOON et al. |                 |
| LIST OF REFERENCES CITED BY APPLICANT<br><br>(Use several sheets if necessary) |  | FILING DATE           | GROUP ART UNIT  |
|  |  | 1/14/04               | 2621            |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NO. | DATE    | NAME             | CLASS             | SUB-<br>CLASS     | FILING<br>DATE |
|---------------------|----|-----------------|---------|------------------|-------------------|-------------------|----------------|
| <i>lgo</i>          | AA | 6,047,103       | 4/2000  | Yamauchi, et al. | <u>          </u> | <u>          </u> |                |
|                     | AB | 4,703,369       | 10/1987 | Moriyama, et al. | <u>          </u> | <u>          </u> |                |
|                     | AC | 6,088,507       | 7/2000  | Yamauchi, et al. | <u>          </u> | <u>          </u> |                |
|                     | AD | 6,148,138       | 11/2000 | Sawabe, et al.   | <u>          </u> | <u>          </u> |                |
| <i>lgo</i>          | AE | 6,332,194       | 12/2001 | Bloom, et al.    | <u>          </u> | <u>          </u> |                |

## FOREIGN PATENT DOCUMENTS

|            |    | DOCUMENT<br>NO. | DATE     | COUNTRY | CLASS             | SUB-<br>CLASS     | TRANSLATION<br>YES NO |  |
|------------|----|-----------------|----------|---------|-------------------|-------------------|-----------------------|--|
| <i>lgo</i> | AF | 9-17127         | 1/17/97  | Japan   | <u>          </u> | <u>          </u> | Abs                   |  |
|            | AG | 6-314176        | 11/8/94  | Japan   | <u>          </u> | <u>          </u> | Abs                   |  |
|            | AH | 8-287654        | 11/1/96  | Japan   | <u>          </u> | <u>          </u> | Abs                   |  |
|            | AI | 10-50034        | 2/20/98  | Japan   | <u>          </u> | <u>          </u> | Abs                   |  |
|            | AJ | 10-92155        | 4/10/98  | Japan   | <u>          </u> | <u>          </u> | Abs                   |  |
|            | AK | 10-143978       | 5/29/98  | Japan   | <u>          </u> | <u>          </u> | Abs                   |  |
|            | AL | 8-340507        | 12/24/96 | Japan   | <u>          </u> | <u>          </u> | Abs                   |  |
| <i>lgo</i> | AM | EP 0965991 A1   | 12/22/99 | Europe  | <u>          </u> | <u>          </u> |                       |  |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

TRANSLATION  
YES NO

|  |    |  |  |  |
|--|----|--|--|--|
|  | AM |  |  |  |
|--|----|--|--|--|

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| <i>CHRISTOPHER ONUAKU</i>  | <i>10/3/06</i>  |
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|--|--|---|------------------------|
| FORM PTO-1449  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO.<br>1293.1073C2            | APPLICATION NO.        |
| LIST OF REFERENCES CITED BY APPLICANT<br><br>(Use several sheets if necessary) |  | FIRST NAMED INVENTOR<br>Seong-jin MOON et al. |                        |
|  |  | FILING DATE<br>1/4/04                         | GROUP ART UNIT<br>2621 |

U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL | DOCUMENT<br>NO. | DATE | NAME | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|----------------------|-----------------|------|------|-------|---------------|----------------|
|                      |                 |      |      |       |               |                |
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|                      |                 |      |      |       |               |                |
|                      |                 |      |      |       |               |                |

FOREIGN PATENT DOCUMENTS

|    | DOCUMENT<br>NO. | DATE    | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NO |  |
|----|-----------------|---------|---------|-------|---------------|-----------------------|--|
| BA | 6-314176        | 11/1994 | Japan   |       |               | Abstract<br>only      |  |
| BB | 8-287654        | 11/1996 | Japan   |       |               | Abstract<br>only      |  |
| BC | 10-50034        | 2/1998  | Japan   |       |               | Abstract<br>only      |  |
| BD | 10-92155        | 4/1998  | Japan   |       |               | Abstract<br>only      |  |
| BE | 10-143978       | 5/1998  | Japan   |       |               | Abstract<br>only      |  |
| BF | 8-340507        | 12/1996 | Japan   |       |               | Abstract<br>only      |  |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |  | TRANSLATION<br>YES NO |   |
|----|--|--|-----------------------|---|
| BG | Japanese Office Action for Japanese Application No. 2000-321764,<br>dated September 2, 2003. |  |                       | x |

|   |                                |
|---|--------------------------------|
| EXAMINER<br><br>CHRISTOPHER J. J. J. J.   | DATE CONSIDERED<br><br>10/3/06 |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                                |

**ATTACHMENT 1(f)**

|                                       |                       |                 |
|---------------------------------------|-----------------------|-----------------|
| <b>LIST OF COPENDING APPLICATIONS</b> | ATTORNEY DOCKET NO.   | APPLICATION NO. |
|                                       | 1293.1073C2           |                 |
|                                       | FIRST NAMED INVENTOR  |                 |
|                                       | Seong-jin MOON et al. |                 |
|                                       | FILING DATE           | GROUP ART UNIT  |
|                                       | 1/14/06               | 2621            |

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

**U.S. PATENT APPLICATION DOCUMENTS**

| EXAMINER INITIAL |   | U.S. SERIAL NO. | FILING DATE       | NAME                   | ASSIGNEE                      |
|------------------|---|-----------------|-------------------|------------------------|-------------------------------|
| <i>lso</i>       | 1 | 09/592,109      | June 12, 2000     | Seong-jin MOON, et al. | Samsung Electronics Co., Ltd  |
| <i>lso</i>       | 2 | 09/592,110      | June 12, 2000     | Seong-jin MOON, et al. | Samsung Electronics Co., Ltd  |
| <i>lso</i>       | 3 | 10/020,979      | December 19, 2001 | Seong-jin MOON, et al. | Samsung Electronics Co., Ltd  |
| <i>lso</i>       | 4 | 10/137,366      | May 3, 2002       | Seong-jin MOON, et al. | Samsung Electronics Co., Ltd. |
|                  | 5 |                 |                   |                        |                               |
|                  | 6 |                 |                   |                        |                               |
|                  | 7 |                 |                   |                        |                               |
|                  | 8 |                 |                   |                        |                               |

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| EXAMINER   | DATE CONSIDERED |
| CHRISTOPHER ONUAKU   | 10/3/06         |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |



Sheet 1 of 1

|  |                       |                 |
|--|-----------------------|-----------------|
| FORM PTO-1449<br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br><b>LIST OF REFERENCES CITED BY APPLICANT</b><br><br>(Use several sheets if necessary) | ATTORNEY DOCKET NO.   | APPLICATION NO. |
|  | 1293.1073C2           | 10/756,422      |
|  | FIRST NAMED INVENTOR  |                 |
|  | Seong-jin MOON et al. |                 |
|  | FILING DATE           | GROUP ART UNIT  |
|  | January 14, 2004      | 2621            |

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NO. | DATE    | NAME           | CLASS           | SUB-<br>CLASS | FILING<br>DATE |
|----------------------|----|-----------------|---------|----------------|-----------------|---------------|----------------|
| <i>bo</i>            | AA | 5,555,098       | 09/1996 | Parulski       | <del>    </del> |               |                |
| <i>bo</i>            | AB | 5,838,967       | 11/1998 | Okayama et al. | <del>    </del> |               |                |
|                      | AC |                 |         |                |                 |               |                |
|                      | AD |                 |         |                |                 |               |                |

## FOREIGN PATENT DOCUMENTS

|           |    | DOCUMENT<br>NO. | DATE    | COUNTRY | TRANSLATION<br>YES NO |  | ABSTRACT |
|-----------|----|-----------------|---------|---------|-----------------------|--|----------|
| <i>bo</i> | AE | EP 0545446 A1   | 06/1993 | Europe  |                       |  |          |
|           | AF | JP 64-048285    | 02/1989 | Japan   |                       |  | X        |
|           | AG | JP 01-204163    | 08/1989 | Japan   |                       |  | X        |
|           | AH | JP 01-263714    | 10/1989 | Japan   |                       |  | X        |
|           | AI | JP 06-020443    | 01/1994 | Japan   |                       |  | X        |
|           | AJ | JP 06-076031    | 03/1994 | Japan   |                       |  | X        |
| <i>bo</i> | AK | JP 08-036519    | 02/1996 | Japan   |                       |  | X        |

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

|           |    |   | TRANSLATION<br>YES NO |  |
|-----------|----|---|-----------------------|--|
| <i>bo</i> | AL | Office Action issued in Japanese Patent Application No. 2004-134025 on May 9, 2006. |                       |  |

|   |                                       |
|---|---------------------------------------|
| EXAMINER<br><br><i>CHRISTOPHER QUNAKU</i>   | DATE CONSIDERED<br><br><i>10/3/06</i> |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                                       |

**ATTACHMENT 1(e)**

|  |                       |                 |
|--|-----------------------|-----------------|
| <b>EXPLANATIONS OF RELEVANCY<br/>OF REFERENCES</b> | ATTORNEY DOCKET NO.   | APPLICATION NO. |
|  | 1293.1073C2           | 10/756,422      |
|  | FIRST NAMED INVENTOR  |                 |
|  | Seong-jin MOON et al. |                 |
|  | FILING DATE           | GROUP ART UNIT  |
|  | January 14, 2004      | 2621            |

*ba* \* Reference AE (EP 0545446 A1) and AA (U.S. 5,555,098) are substantially equivalent to reference AI (JP 06-020443).

*ba* \* Reference AB (U.S. 5,838,967) is substantially equivalent to reference AJ (JP 06-076031).